

IN THE CLAIMS

Please amend the claims to read as indicated herein.

1. (currently amended) A computer-implemented method of creating a custom database in a data store connected to a computer, the method comprising:
receiving a system description of a structure of ~~the custom database to be created~~
(a) said custom database, and (b) an object;
generating ~~the said~~ structure for ~~the said~~ custom database based on ~~the said~~ system description; and
generating ~~a search engine~~ program code based on ~~the said~~ system description,
wherein ~~the search engine~~ said program code includes a module that, when executed, stores and locates data said object in ~~the said~~ custom database.
2. (currently amended) The method of claim 1, further comprising generating a user interface to access ~~the said~~ custom database.
3. (currently amended) The method of claim 1, further comprising modifying ~~the said~~ system description and generating a new structure and ~~search engine~~ new program code that are transparent.
4. (currently amended) The method of claim 1, wherein ~~the said~~ system description defines a mapping of one or more abstract objects to a physical representation in ~~the said~~ structure of ~~the said~~ custom database.
5. (currently amended) The method of claim 1, wherein ~~the said~~ structure stores data to form a relational database.
6. (currently amended) The method of claim 1, wherein ~~the said~~ system description comprises a markup language file.

7. (currently amended) The method of claim 6, wherein ~~the~~ said markup language file comprises an extensible markup language (XML) document.

8. (currently amended) The method of claim 7, wherein ~~the~~ said XML document is created using a text editor.

9. (currently amended) The method of claim 7, wherein ~~the~~ said XML file is created using a graphical user interface.

10. (currently amended) The method of claim 1, wherein ~~the search engine~~ said program code includes a module that, when executed, locates data within ~~the~~ said custom database.

11. (currently amended) The method of claim 1, wherein ~~the search engine~~ said program code comprises a text search engine.

12. (currently amended) The method of claim 1, wherein ~~the search engine~~ said program code comprises a high level language.

13. (currently amended) The method of claim 12, wherein ~~the~~ said high level language comprises ~~Java~~ an object-oriented language.

14. (currently amended) An apparatus for creating a custom database comprising:
a computer having a data store connected thereto, wherein the data store stores data;
and

one or more computer programs, performed by the computer, ~~for~~ for:

(i) receiving a system description of a structure ~~of the custom database to be created~~ (a) said custom database, and (b) an object, ~~for~~;

(ii) ~~generating the~~ said structure ~~for the~~ said custom database based on ~~the~~ said system description, ~~and for~~ ; and

(iii) ~~generating a search engine program code based on the~~ said system description, wherein ~~the search engine~~ said program code includes a module that, when executed, ~~stores and locates data~~ said object in the said custom database.

15. (currently amended) The apparatus of claim 14, further comprising generating a user interface to access ~~the~~ said custom database.

16. (currently amended) The apparatus of claim 14, further comprising modifying ~~the~~ said system description and generating a new structure and search engine that are transparent.

17. (currently amended) The apparatus of claim 14, wherein ~~the~~ said system description defines a mapping of one or more abstract objects to a physical representation in ~~the~~ said structure of ~~the~~ said custom database.

18. (currently amended) The apparatus of claim 14, wherein ~~the~~ said structure stores data to form a relational database.

19. (currently amended) The apparatus of claim 14, wherein ~~the~~ said system description comprises a markup language file.

20. (currently amended) The apparatus of claim 19, wherein ~~the~~ said markup language file comprises an extensible markup language (XML) document.

21. (currently amended) The apparatus of claim 20, wherein ~~the~~ said XML document is created using a text editor.

22. (currently amended) The apparatus of claim 20, wherein ~~the~~ said XML document is created using a graphical user interface.

23. (currently amended) The apparatus of claim 14, wherein ~~the search engine~~ said program code includes a module that, when executed, locates data within the custom database.

24. (currently amended) The apparatus of claim 14, wherein ~~the search engine~~ said program code comprises a text search engine.

25. (currently amended) The apparatus of claim 14, wherein ~~the search engine~~ said program code comprises a high level language.

26. (currently amended) The apparatus of claim 25, wherein ~~the~~ said high level language comprises ~~Java~~ an object-oriented language.

27. (currently amended) An article of manufacture comprising a computer program carrier readable by a computer and embodying one or more instructions executable by the computer to perform steps for creating a custom database, comprising:

receiving a system description of a structure of ~~the custom database to be created~~

(a) said custom database, and (b) an object;

generating ~~the~~ said structure for ~~the~~ said custom database based on ~~the~~ said system description; and

generating ~~a search engine~~ program code based on ~~the~~ said system description, wherein ~~the search engine~~ said program code includes a module that, when executed, stores and locates data said object in ~~the~~ said custom database.

28. (currently amended) The article of manufacture of claim 27, further comprising generating a user interface to access ~~the~~ said custom database.

29. (currently amended) The article of manufacture of claim 27, further comprising modifying ~~the~~ said system description and generating a new structure and ~~search engine~~ new program code that are transparent.

30. (currently amended) The article of manufacture of claim 27, wherein ~~the~~ said system description defines a mapping of one or more abstract objects to a physical representation in ~~the~~ said structure of ~~the~~ said custom database.

31. (currently amended) The article of manufacture of claim 27, wherein ~~the~~ said structure stores data to form a relational database.

32. (currently amended) The article of manufacture of claim 27, wherein ~~the~~ said system description comprises a markup language file.

33. (currently amended) The article of manufacture of claim 32, wherein ~~the~~ said markup language file comprises an extensible markup language (XML) document.

34. (currently amended) The article of manufacture of claim 33, wherein ~~the~~ said XML document is created using a text editor.

35. (currently amended) The article of manufacture of claim 33, wherein ~~the~~ said XML file is created using a graphical user interface.

36. (currently amended) The article of manufacture of claim 27, wherein ~~the search engine~~ said program code includes a module that, when executed, locates data within ~~the~~ said custom database.

37. (currently amended) The article of manufacture of claim 27, wherein ~~the search engine~~ said program code comprises a text search engine.

38. (currently amended) The article of manufacture of claim 27, wherein ~~the search engine~~ said program code comprises a high level language.

39. (currently amended) The article of manufacture of claim 38, wherein ~~the~~ said high level language comprises ~~Java~~ an object-oriented language.